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TRANSMITTAL FORM		Application Number		10/706,575	
		Filing Date		November 12, 2003	
		First Named Inventor		Frank L. Hall	
		Art Unit		1725	
(to be used for all correspondence after	Examiner Name		S. Heinrich		
Total Number of Pages in This Submiss		Attorney Docket N	umber	2269-4718	.1US (00-0316.01/US)
	ENCLO	SURES (check all the	at apply)	<u> </u>	
Fee Transmittal Form	Drawing(s)			After Allowance Communication to TC	
Fee Attached	Licensing-related Papers			Appeal Communication to Board of Appeals and Interferences	
Amendment Under 37 CFR §1.116	Petition			Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)	
After Final Office Action dated December 1, 2006	Petition to Convert to a Provisional Application			Proprietary Information	
Affidavits/declaration(s)	Power of Attorney, Revocation Change of Correspondence Address			Status Letter	
Extension of Time Request	Terminal Disclaimer			Other Enclosure(s) (please identify below):	
Express Abandonment Request	Request for Refund  CD, Number of CD(s)				
Information Disclosure Statement	Landscape Table on CD				
Certified Copy of Priority Document(s)	Remarks				
Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR1.52 or 1.53	The Commissioner is authorized to charge any additional fees required but not submitted with any document or request requiring fee payment under 37 C.F.R. §§ 1.16 AND 1.17 TO Deposit Account 20-1469 during pendency of this application.				
SIGN	ATURE OF	APPLICANT, ATTO	RNEY, O	R AGENT	7
Firm					
Signature Sames R. Surge					
Printed Name					
Date January 23, 200		7 Reg. No.		28,393	
CERTIFICATE OF TRANSMISSION/MAILING					
I hereby certify that this correspondent Service with sufficient postage as fire Alexandria, VA 22313-1450 on the date	st class mail ir	simile transmitted to the an envelope address	ne USPTO ssed to: C	or deposited commissioner	with the United States Postal for Patents, P.O. Box 1450,
Signature	el. 10	uen()			
Typed or printed name Leta M. Howard				Date	January 23, 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



## **E** UNITED STATES PATENT AND TRADEMARK OFFICE

#### In re Application of:

Frank L. Hall

Serial No.: 10/706,575

Filed: November 12, 2003

For: BALL GRID ARRAY SUBSTRATES

VIA USE OF A LASER (as amended)

Confirmation No.: 6661

Examiner: S. Heinrich

**Group Art Unit: 1725** 

Attorney Docket No.: 2269-4718.1US

(00-0316.01/US)

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

January 23, 2007

Leta M. Howard Name (Type/Print)

### AMENDMENT UNDER 37 C.F.R. § 1.116

MAIL STOP AF Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The following amendments and remarks are filed in response to the Examiner's remarks in the Final Office Action mailed December 1, 2006, the three-month shortened statutory period for response to which expires on March 1, 2007. This response is submitted on or before two months from the mailing date of the Final Office Action.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 5 of this paper.